What is claimed is:

1.   A method of transporting information in a telecommunications network having a plurality of

5   network elements, the method comprising the acts of:
        (a)   transporting a first frame from a first network element;
        (b)   receiving said first frame in a second network element, in the second network

10   element:
        (i)   relocating information from a first set of byte locations of said first frame to a second set of byte locations of another frame;

15   (ii) transporting said another frame to a third network element;
        (c)   receiving said another frame in said third network element.

20   2.   The method of claim 1 wherein said first frame and said another frame are SONET frames.

3.   The method claim 2 wherein said first set of byte locations is in an overhead section of a SONET

25   frame.

4.   The method of claim 2 wherein said second set of byte locations is in an overhead section of a SONET frame.

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5.   The method of claim 3 wherein said overhead section is a section overhead.

6.   The method of claim 4 wherein said overhead

35   section is a line overhead.

7.   The method of claim 5 wherein said first set
of byte locations consists of data communications
channels in said section overhead.

5   8.   The method of claim 6 wherein said second set
of byte locations consists of data communications
channels in said line overhead.

        9.   The method of claim 2 wherein said
10   information is network management information.

        10.   The method of claim 9 wherein said network
management information is in accordance with a protocol
selected from a group consisting of Open Systems
15   Interconnection Standard (OSI) and Transport Control
Protocol/Internet Protocol (TCP/IP).

        11.   A computer useable medium comprising:
        computer readable instructions for receiving
20   a first SONET frame;
        computer readable instructions for moving
information from a first set of byte locations of
said first SONET frame to a second set of byte
locations of a second SONET frame; and
25   computer readable instructions for
transmitting said second SONET frame.

        12.   The computer useable medium of claim 11
wherein said first set of byte locations consists of
30   data communications channels in a section overhead.

        13.   The computer useable medium of claim 11
wherein said second set of byte locations consists of
data communications channels in a line overhead.
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        14.   A method of transporting information in a
SONET network comprising the acts of:

(a)　transporting a first SONET frame from a first network element to a second network element;

(b)　in the second network element:

(i)　moving a network management information from a section overhead of said first SONET frame to a line overhead of a second SONET frame;

(ii) transporting said second SONET frame to a third network element.

15. The method of claim 14 further comprising the acts of:

(c)　in the third network element:

(i)　moving said network management information from the line overhead of said second SONET frame to a section overhead of a third SONET frame;

(ii) transporting said third SONET frame to a fourth network element.

16. The method of claim 14 further comprising the acts of:

(c)　in the third network element:

(i)　moving said network management information from the line overhead of said second SONET frame to a line overhead of a third SONET frame;

(ii) transporting said third SONET frame to a fourth network element.